

Notice of Allowability

Application No.

09/991,485

Applicant(s)

COOKE ET AL

Examiner

LINH BLACK

Art Unit

2167

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/2/05.
2. ☒ The allowed claim(s) is/are 13-20, and 28-30 (Renumbered as 1-12).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Reasons for allowance

1. The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach the combination of limitations in the independent claims 13 and 21.

Bauer et al. (US 5926816) teach a local replicated database – fig. 1, items 20a-z are local replicated databases with respective client-side database synchronizers, items 27a-z; col. 6, lines 15-23; an interface for communicating with one or more remote replicated database via a communications link – col. 6, lines 60-66 (An interface has to be existed before clients/users can insert/update/delete/communicate with the remote database); a synchronization manager associated with the local replicated database for sending changes made on the local replicated database to one or more remote replicated databases for reconstruction/resolve by the one or more remote replicated databases – col. 1, line 58 to col. 2, line 67 (wherein “the database synchronizer is a general purpose system which accommodates heterogeneous computers and databases...While a central (server) database includes information from all the clients, each remote (client) database is generally limited to data related to the respective client); receiving changes made on a remote replicated database, and reconstructing changes received from a remote replicated database on the local replicated database – col. 2, lines 58-67; col. 4, line 13-55. However, Bauer et al. do not teach the

combination of limitations of claim 13, especially, "(d) determining whether there has been more than one change file sent by the local database since a most-recent change file sent by the local database and received and processed by the remote database before the remote database sent the received change file; (e) if there has been more than one change sent by the local database, reconciling the interface version with any intervening states of the local database following the state identified by the change file received from the remote database and preceding the interface version; (f) reconciling the interface version with the child version; and (g) posting the state comprising the results of reconciling the child version with the interface version to the interface version."

The prior art of record does not teach the combination of limitations of claim 28, especially, "(d) if the difference is more than one, reconciling intervening versions of the local database, comprising: (i) creating a grandchild version of ie local database set to a state associated with a sequence number immediately following the local sequence number of the received change file; (ii) reconciling the child version with the grandchild version; (iii) posting reconciliation results of reconciling the child version with the grandchild version to the child version; (iv) if a difference between the local sequence number of the local interface version and the sequence number of the child version is more than one, then repeating steps (i) to (iv) using a state of the local database associated with a sequence number next

following the local sequence number of the received change file; (e) Reconciling the interfere version with the child version; and (f) posting a stale comprising reconciling results of reconciling the interface version with the child version to the interface version."

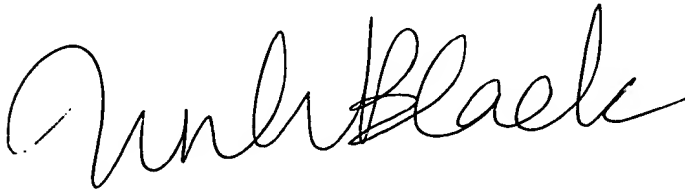
2. Dependent claims 14-20, and 28-30 incorporate the listed limitations by reference and contain limitations that further distinguish over the art of record. For these reasons, claims 14-20, and 28-30, are considered allowable over the art of record.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LINH BLACK whose telephone number is 571-272-4106. The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOHN BREENE can be reached on 571-272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



LINH BLACK

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Art Unit 2167